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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/695,351	10/29/2003	You-Sub Lee	1572.1137	5994

21171 7590 09/05/2006

STAAS & HALSEY LLP  
SUITE 700  
1201 NEW YORK AVENUE, N.W.  
WASHINGTON, DC 20005

EXAMINER
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EPPS, TODD MICHAEL

ART UNIT	PAPER NUMBER
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3632

DATE MAILED: 09/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/695,351	<b>Applicant(s)</b> LEE ET AL.	
	<b>Examiner</b> Todd M. Epps	<b>Art Unit</b> 3632	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 12 June 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-29 and 32 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 3-16 and 24-27 is/are allowed.
- 6) ☒ Claim(s) 1, 2, 17, 18, 19, 23, 28-29, and 32 is/are rejected.
- 7) ☒ Claim(s) 20-22 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10/29/2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

This is the third Office Action **final** for serial number 10/695,351, Display Supporting Apparatus, filed on October 29, 2003.

#### ***Drawings***

The drawings are objected to under 37 CFR 1.83(a) because they fail to show bend parts provided on opposite sides of the plate to couple to the pipe in Figures 2, and 3 as described in the specification. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner,

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the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 103***

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1, 17, 18, 19, 28, 29, and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,817,585 to Wagner et al (Wagner).

Wagner '585 (fig. 1) discloses an upper engaging part (30) mountable on a ceiling, a swivel adjusting part (52), a flange member (16), a display mounting part (fig. 1), a display mounted on the display supporting apparatus (14-14'); and a tilt adjusting part provided so that the first engaging pipe is coupled thereto, and to couple to the display mounting part.

However, Wagner '585 fails to disclose a first engaging pipe extended downward from the swivel adjusting part. Attention is directed to Wagner '585 (fig. 2), which discloses a first engaging pipe (52') extended downward from the swivel adjusting part, a second engaging pipe (50') having an external diameter to correspond to an internal diameter of the first engaging pipe (52'), wherein the second engaging pipe is inserted into the first engaging pipe to reduce a weight of the second engaging pipe, and provided with a trunk part having a hollow inside to couple to the first engaging pipe; one pair of first engaging holes (fig. 2); two pairs of second engaging holes on the

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bottom of the trunk part (fig. 3), and a display mounted on the display supporting.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to add a first engaging pipe extended downward from the swivel adjusting part as shown in figure 2 wherein doing so would provide thereof convenience to adjust the monitor in any direction as the customer desired.

Wagner '585 discloses the previous invention failing to specifically teach a third engaging pipe having an external diameter and internal diameter to correspond to the external and internal diameters of the first engaging pipe, and provided with a trunk part having a hollow inside to couple to the second engaging pipe. Since Wagner '585 discloses a second engaging pipe (50') having an external diameter to correspond to an internal diameter of the first engaging pipe (52'), it would have been obvious to one of ordinary skill in the art at the time the invention was made to add a third engaging pipe with one pair of first engaging holes and two pair of second engaging holes on the bottom of the trunk part wherein doing so would provide thereof a greater support to lower the monitor further downwardly.

Claims 2, and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wagner '585 in view of U.S. Patent No. 5,310,152 to O'Neill.

Wagner '585 discloses wherein a force to support the display is enhanced as a number of the second engaging holes of the upper engaging part is increased, however, fails to disclose a trunk part having a hollow projection, and a supporting rib combined with the mounting plate and the trunk part. Attention is directed to O'Neill '152

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reference, which shows a mounting plate with a trunk part having a hollow projection, and a supporting rib. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the plate with a trunk part of Wagner '585 to have the plate with a trunk part and a supporting rib as in O'Neill '152 so as to provide thereof for superior mounting when liquid crystal display is rotated at a different direction.

***Allowable Subject Matter***

Claims 3-16, and 24-27 are allowed.

The prior art fails to teach in combination wherein a plate provided to withstand the weight of the display and with a through hole having a diameter equal to an external diameter of the trunk part of the upper engaging part; and an engaging part bent downward from an edge of the plate, and being provided with at least one pair of engaging holes to couple to the first engaging pipe.

Claims 20-22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art fails to teach wherein a plate provides with a first engaging hole to couple the plate to the display mounting part; bent parts provided on opposite sides of the plate, having a second engaging holes to couple to at least first, second, and third

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engaging pipes, and a third engaging hole to couple to the at least one of the first, second, and third engaging pipes.

### ***Response to Arguments***

Applicant's response filed June 12, 2006 have been fully considered but they are not persuasive.

Regarding claim 1, applicant did not include all the limitations from the depended claims, which the previous office action indicated it would be allowable if rewritten in independent form. Therefore, it required further search and consideration.

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

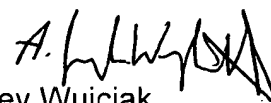
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Todd M. Epps whose telephone number is 571-272-8282. The examiner can normally be reached on M-F (7:30-4:30).

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Todd M. Epps  
Patent Examiner  
Art Unit 3632  
August 24, 2006



Joey Wujciak  
Primary Examiner  
Art Unit 3632